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FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE 10541-1918 9258 10/712,700 11/13/2003 Peter Heyl **EXAMINER** 7590 07/01/2004 Eric J. Sosenko, Esq. JONES, MELVIN **BRINKS HOFER GILSON & LIONE** ART UNIT PAPER NUMBER P.O. Box 10395 Chicago, IL 60610 3744

DATE MAILED: 07/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Summary	10/712,700	HEYL, PETER	
	Examiner	Art Unit	
TI MANUNO DATE CHI	Melvin Jones	3744	
The MAILING DATE of this communication app Period for Reply	bears on the cover sheet with the	correspondence ad	aress
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period of the period of the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ti y within the statutory minimum of thirty (30) da vill apply and will expire SIX (6) MONTHS fron , cause the application to become ABANDONI	mely filed ys will be considered timely n the mailing date of this co	y. ommunication.
Status			
 1) Responsive to communication(s) filed on 13 N 2a) This action is FINAL. 2b) This 3) Since this application is in condition for alloward closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pr		e merits is
Disposition of Claims			
 4) ☐ Claim(s) 1-10 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) 9 and 10 is/are allowed. 6) ☐ Claim(s) 1,7 and 8 is/are rejected. 7) ☐ Claim(s) 2-6 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o 	wn from consideration.		
Application Papers			
9)☐ The specification is objected to by the Examine 10)☒ The drawing(s) filed on 13 November 2003 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Examine 11.	re: a) accepted or b) object drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob-	ee 37 CFR 1.85(a). bjected to. See 37 CF	FR 1.121(d).
Priority under 35 U.S.C. § 119			
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)).	tion No ved in this National	Stage
Attachment(s) 1) X Notice of References Cited (PTO-892)	4) 🔲 Interview Summar		
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>06262004</u>. 	Paper No(s)/Mail D 5) Notice of Informal 6) Other:)-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1,7 & 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hara et al (US Patent No. 5,355,689) in view lkeda et al (US Patent No. 5,598,887). Hara et al discloses a heat pump type air conditioner for an automotive vehicle for heat & cooling and comprising: a heat radiating inner heat exchanger (33) disposed in a duct (39) and serves as the main body of the air conditioner, a blower fan (37), a compressor (31), a three way valve (32), an outer heat exchanger (38) and connected to the inlet side of a heat absorbing inner heat exchanger (35) and an auxiliary heater (76) is disposed at an air inlet side of said heat radiating inner heat exchanger (33). In duct (39) an inner inlet (40) leads air into the passenger compartment. Furthermore, discloses an air mixing door (46) is disposed upstream of the heat-radiating inner exchanger (33) in the duct and an air mixing chamber (47) consist of a ventilating system. Hara et al, however lacks to mention a dehumidification stage of the heat pump system. Ikeda teaches an air conditioning system for a vehicle for cooling/heating and dehumidification. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the heat pump system disclosed by Hara with a

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dehumidification stage as taught by Ikeda for reheating air stream and removing moisture from air stream.

Allowable Subject Matter

Claims 9 & 10 are allowed over the prior art of record.

Claims 2-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melvin Jones whose telephone number is (703) 305-0251. The examiner can normally be reached on Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Denise Esquivel can be reached on (703) 308-2597. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

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mj

MELVIN JONES
PRIMARY EXAMINER